

Report # 113251 Sample # 3

## **UGI Development Company**

Received 05/21/2012

12 Date May 31, 2012

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Filter   TC:	ITC Tank Type	LTC Type:	LTC MFR /Model:
Pressure PSI:	Appr Type: XFMR	XFMR Oil Capacity: 1327 Gallons	Fluid Type: Mineral
Fluid Level:	Sample Date/By: 5/16/2012 2:30:00 PM JD, JR	Maximum MVA: 7	Cooling System: ONAF
Peak Temp °C:	Sequence #:	Maximum kV: 66	MFR. Year: 2009
Top Oil Temp °C: 29	Sample Point: Main Tank Bottom	Transformer Type: Transformer	Manufacturer: VT
Humidity: 42	Second Name:	Transformer Name: SST3	Design Type: Core Type
Ambient Temp °C: 24	Miscellaneous Id:	Preservation System: Gas Blanketed	Substation Name:
Phase: 3	Container Id: LAB ASSIGNED # IAK 407	Equipment Number: SS-T3	Serial Number: 475000A100B354A

Values before August 15, 2002 are reported at NTP and calibrated with gas standards.

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	0.00		59	95529	0	0	570	0	48		84300	10600	9.7	28	06/03/2011	104632
0.11	0.00	0.10	87	76448	821 0 0 76448	0	821	0	76	1.9	8.7 8340 67200	8340	8.7	13	02/21/2012 13	111090
0.20			104	83080	0	0	796	0	91		73900	8280	=======================================	29	05/16/2012	113251
ppm/day																
C2H2 Rate	C2H2	%	GAS	<b>Total Gas</b>	(C2H2)	(C2H4)	(CO2)	(C2H6)	(CO)	(CH4)	(N2)	(02)	(H2)	Temp °C	Date	Report #
omb Gas	C2H4/ C	EST TCG			Acetylene	Ethylene	Dioxide	Ethane	Monox.		Nitrogen	Oxygen	Hydrogen	Top Oil	Sample	
							Carbon		Carbon							

Inere is a low volume of combustible gas present. The condition is of no immediate concern. It is recommended to resample in 1 year for units 69kV and below.

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## Oil Quality Tests

7	113251 05/16/2012		Sample Report # Date
)11 28	<b>112 29</b>		e Top Oil Temp °C
7	з <b>1</b>	ppm D1533 IEC 60814	Water Content
9	<b>13</b>	%	Relative Saturation
L0.5	L 0.5	D1500	Color
3	38	kV D1816	D1816- 1mm
40	39	mN/m D971 ISO 6295	_ <u>a</u>
< 0.01	0.01	mgKOH/g D974	Neut. No.
0.140	0.340	% D924	PF25C
4.300	7.590	% D924	PF 100C
0.884	0.885	60/60 D1298	Specific Gravity (Rel. Density)
Clear & Bright	Clear & Bright	D1524	Visual

## Additional Oil Quality Tests

113251 05/16/2012 29 Sulfur by D1275B is acceptable		Sample Report # Date
<b>2012</b> s acce		
<b>29</b> ptable.		Top Oil
Non- corrosive	D1275B	Sulfur, Corrosive D 1275B
2d	D130	Sulfur, Corrosive Tarnish Level (D 1275B)